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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/658,281	09/10/2003	Seiichiro Kanno	500.41374CX2	2471	
20457 7	7590 10/05/2005		EXAM	EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET			FUQUA, SHA	FUQUA, SHAWNTINA T	
SUITE 1800	SEVENTEENTH STRE	L I	ART UNIT	PAPER NUMBER	
ARLINGTON	, VA 22209-3873		3742	<u> </u>	

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	A = 11 44 = 3	MK		
		Application No.	Applicant(s)			
Office Action Commons		10/658,281	KANNO ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Shawntina T. Fuqua	3742			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with t	he correspondence addre	ess		
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS cause the application to become ABANE	FION. be timely filed from the mailing date of this common (ONED) (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 12 Ju	ily 2005.				
2a)⊠	This action is FINAL . 2b) ☐ This action is non-final.					
3) 🗌	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	ix parte Quayle, 1935 C.D. 1	I, 453 O.G. 213.			
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>15-20</u> is/are pending in the application 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) <u>15-20</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Applicati	on Papers	·				
10)⊠	The specification is objected to by the Examine The drawing(s) filed on 10 September 2003 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction to out the outh or declaration is objected to by the Ex	re: a) accepted or b) old drawing(s) be held in abeyance. ion is required if the drawing(s) i	See 37 CFR 1.85(a). s objected to. See 37 CFR	1.121(d).		
Priority u	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment	(s) e of References Cited (PTO-892)	4) 🔲 Interview Sumr	nary (PTO-413)			
2) D Notice 3) D Inform	e of References Cited (P10-692) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) · No(s)/Mail Date	Paper No(s)/Ma	nary (PTO-413) ail Date nal Patent Application (PTO-15	i2)		

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 15-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ishii (US5851298) in view of Sugaya et al (US6518548).

Ishii discloses a plasma processing apparatus in which a wafer (W) is mounted on an upper ceramic member (38) of a stage disposed within a vacuum chamber (2), the stage including a cooling jacket (10) with a path (12) for passing coolant liquid (column 5, lines 20-22) and the upper member (6) including a heater (16) and an electrode (14) for an electrostatic chuck (14) wherein the wafer is mounted on the upper member. Ishii does not disclose a heater wherein an outer circumferential end of the heater is positioned outwardly from an outer end of the protrusion portion. Sugaya et al discloses a heater (4) wherein an outer circumferential end of the heater is positioned outwardly from an outer end of the protrusion portion (2a). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have included a heater wherein an outer circumferential end of the heater is positioned outwardly from an outer end of the protrusion portion as taught by Sugaya et al in the apparatus of Ishii because, a heater wherein an outer circumferential end of the heater is positioned outwardly from an outer end of the protrusion portion allows for a more uniform heating of the substrate.

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Response to Arguments

3. Applicant's arguments with respect to claims 15-20 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawntina T. Fuqua whose telephone number is (571) 272-4779. The examiner can normally be reached on Monday-Friday 8-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans can be reached on (571) 272-4777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

stf October 2, 2005 Shawntina Fuqua Patent Examiner Art Unit 3742

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